A. THE 2023 FLORIDA BUILDING CODE, 8TH EDITION

B. ASCE/SEI 7-22: MINIMUM DESIGN LOADS ON BUILDINGS AND OTHER APPLICABLE CODES, REGULATIONS, & STANDARDS ACI 318-19; BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE AISC STEEL CONSTRUCTION MANUAL (15TH EDITION)
AWS D1.1: STRUCTURAL WELDING

1. THESE PLANS BELONG EXCLUSIVELY TO THE STRUCTURE, INCLUDING MAIN WIND FORCE RESISTING SYSTEM (MWFRS), COMPONENTS AND CLADDING (C&C), AND BASE RAIL ANCHORAGE. OTHER DESIGN ISSUES, INCLUDING BUT NOT LIMITED TO PROPERTY SET-BACKS, ELECTRICAL, PLUMBING. INGRESS/EGRESS, FINISH FLOOR SLOPES AND ELEVATIONS, OR OTHER LOCAL ZONING REQUIREMENTS ARE THE LIABILITY OF OTHERS.

2. THESE STRUCTURES ARE ENGINEERED AS CAPABLE OF SUPPORTING DEAD LOAD OF THE STRUCTURE AND LIVE AND WIRD LOADS, UPGRADES NOT SPECIFICALLY ADDRESSED HEREIN, SUCH AS WINDOWS, DOORS, OR ANOTHER CODAPONENT NOT LISTED IN THE FLORIDA BUILDING CODE APROVED PRODUCT UST, AND NOT PROVIDED AND INSTALLED BY TUBULAR BUILDING SYSTEMS, WHICH CAUSE ADDITIONAL LOADS ON THE STRUCTURE SHALL BE AT THE OWNER'S BRISK, FLORIDA ENGINEERING LIC, SHALL NOT BE RESPONSIBLE FOR FAILURE OR STRUCTURAL DAMAGE DUE TO THE EXTRA LOAD.

 HIGH ULTIMATE WIND SPEED 141 TO 170 MPH (NOMINAL WIND SPEED 109 TO 132 MPH): MAXIMUM RAFTER/POST AND END POST SPACING = 4.0 LOW ULTIMATE WIND SPEED 105 TO 140 MPH (NOMINAL WIND SPEED 81 TO 108 MPH): MAXIMUM RAFTER/POST AND END POST SPACING = 5.0 FEET.

ALL STEEL TUBING SHALL BE 50 KSI GALVANIZED STEEL. ALL FASTENERS SHALL BE ZINC COATED HARDWARE.

6. SPECIFICATIONS APPLICABLE TO 26 GAUGE METAL PANELS FASTENED DIRECTLY TO 2 1/2" × 2 1/2" - 14 GAUGE TUBE STEEL (TS) FRAMING MEMBERS FOR VERTICAL PANELS, 26 GAUGE METAL PANELS SHALL BE FASTENED TO 18 GAUGE HAT CHANNELS (UNLESS OTHERWISE NOTED).

7. FASTENERS CONSIST OF #12-14 x 3/4" SELF DRILLING FASTENER (SDF), USE CONTROL SEAL WASHER WITH EXTENIOR FASTENERS SPECIFICATIONS APPLICABLE ONLY FOR MEAN ROOF HEIGHT OF 20 FEET OR LESS, AND ROOF SLOPES OF 14" (3.1.2 PITCH) OR LESS SPACING REQUIREMENTS FOR OTHER ROOF HEIGHTS AND/OR SLOPES MAY VARY.

WIND FORCES GOVERN OVER SEISMIC FORCES, SEISMIC PARAMETERS ANALYZED ARE: AVERAGE FASTENER SPACING ON-CENTERS ALONG RAFTERS OR PURLINS AND POSTS, INTERIOR = 9" OR END = 6", (MAX.).

SOIL SITE CLASS = D RISK CATEGORY I/II/III R = 3.25 | Ie = 1.0 Sds = 0.087 g V = CsW Sdi = 0.084 g

10. GROUND ANCHORS SHALL BE INSTALLED THROUGH BASE RAIL WITHIN 6" OF EACH RAFTER COLUMN ALONG SIDES.

11. GROUND ANCHOR (SOIL NAILS) CONSIST OF #5 REBAR W/ WELDED NUT X 30" LONG IN SUITABLE SOIL CONDITIONS MAY BE USED FOR LOW (\$ 108 MPH NOMINAL) WIND SPEEDS ONLY. OPTIONAL ANCHORAGE MAY BE USED IN SUITABLE SOILS AND MUST BE USE IN UNSUITABLE SOILS AN NOTED. 12. MIN. LAP REQUIREMENT FOR REBAR IN FOOTER IS 25".

13. SOIL TO BE COMPACTED TO 95% OF ITS MAXIMUM DRY DENSITY, AT OPTIMUM MOISTURE CONTENT, IN ACCORDANCE WITH ASTM D1557-93 14. PRIOR TO PLACING CONCRETE, TREAT THE ENTIRE SUBSURFACE AREA FOR TERMITES IN COMPLIANCE WITH THE FBC. FOR RISK CATEGORY II, III, & IV STRUCTURES ONLY.

15. ALL OPEN AREAS OF CONCRETE OUTSIDE OF THE PROPOSED STRUCTURE SHALL BE DESIGNED TO SLOPE AWAY FROM THE STRUCTURE.

IG. A LANDING OF MIN. 36" WIDTH IN THE DIRECTION OF TRAVEL SHALL BE PROVIDED AT THE EXTERIOR DOORS, SLOPE OF LANDING NOT TO EXCEED 1/4"-T. LANDING LEVEL NOT TO BE LOWER THAN 1-1/2" [FOR EGRESS DOORS] & 7-3/4" (FOR OTHER EXTERIOR DOORS) BELOW THE TOP OF THRESHOLD.

DETAILS	FOUNDATION PLAI	PLAN/ ELEVATION	GENERAL NOTES
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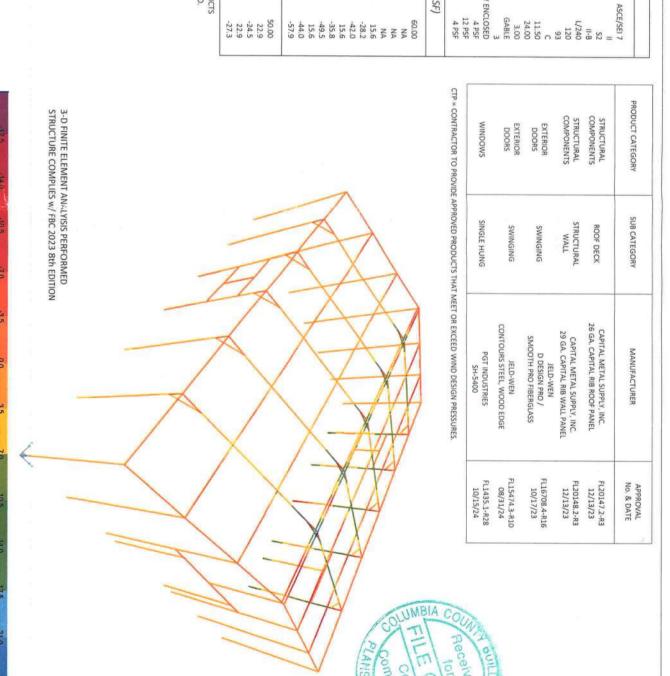
PROPOSED METAL BUILDING FOUNDATION & SHELL STRUCTURAL DESIGN ONLY. ALL OTHER REQUIRED PERMITS TO BUILD OUT TO A HABITABLE LIVING SPACE ARE TO BE BY OTHERS, PER SEPRATE CERTIFICATE. INCLUDING BUT NOT LIMITED TO, ELECTROAL, PLUMBING, ENERGY CALCS., ETC. FOR MODE INFORMATION VISIT:

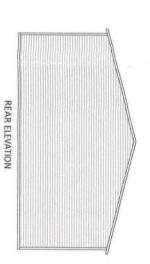
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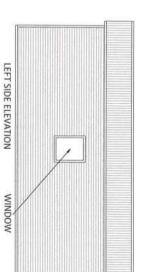
EFFECTIVE WIND AREA (SQ. FT) = ZONE 4 (POSITIVE) = ZONE 4 (NEGATIVE) = ZONE 5 (POSITIVE) = ZONE 5 (NEGATIVE) =	WINDOW	EFFECTIVE WIND AREA (SQ. FT) = ZONE 4 (POSITIVE) = ZONE 4 (NEGATIVE) = ZONE 5 (POSITIVE) = ZONE 5 (NEGATIVE) =	ROLL-UP DOOR	EFFECTIVE WIND AREA (SQ. FT) = ZONE 4 (POSITIVE) = ZONE 4 (NEGATIVE) = ZONE 5 (POSITIVE) = ZONE 5 (NEGATIVE) =	SWING DOOR	ADJUSTED C & C WIND PRESSURES (ASD) (PSF) FOR OPENINGS	CONTRACTOR TO PROVIDE BUILDING CODE APPROVED PRODUC TO MEET OR EXCEED THE DESIGN PRESSURES AS TABULATED.	EFFECTIVE WIND AREA FOR WALLS (SQ. FT): ZONE 4 (POSITIVE) = ZONE 4 (NEGATIVE) = ZONE 5 (POSITIVE) = ZONE 5 (NEGATIVE) =	EFFECTIVE WIND AREA FOR ROOF (SQ, FT): ZONE 1' (POSITIVE) = ZONE 1' (OVERHANG) = ZONE 1 (POSITIVE) = ZONE 1 (POSITIVE) = ZONE 1 (NEGATIVE) = ZONE 2 (OVERHANG) = ZONE 2 (ROSITIVE) = ZONE 3 (POSITIVE) = ZONE 3 (POSITIVE) = ZONE 3 (POSITIVE) = ZONE 3 (POSITIVE) = ZONE 3 (OVERHANG) = ZONE 3 (OVERHANG) = ZONE 3 (OVERHANG) = ZONE 3 (OVERHANG) =	ADJUSTED C & C WIND PRESSURES (ASD) (PS	COCUPANCY CLASSIFICATION: OCCUPANCY CLASSIFICATION: CONSTRUCTION TYPE: DEFLECTION LIMIT = ULTIMATE DESIGN WIND SPEED (MPH) VULT = NOMINAL DESIGN WIND SPEED (MPH) VASD = EXPOSURE CATEGORY: MEAN BUILDING HEIGHT (FT) = MINIMUM BUILDING PEIGHT (FT) = END ZONE DIMENSION (FT) a = ROOF STYLE: ROOF FITCH (IN 12): OCCUPANCY CLASSIFICATION: DEAD LOAD [DUE TO SELF-WEIGHT] = ROOF LUKE LOAD = GROUND SNOW LOAD =
7.50 24.8 -26.5 -24.8 -31.3		NA NA NA NA		21.00 23.9 -25.5 23.9 -29.4		ND SF)	ESIGN PRESSURES	LS (\$Q, FT):	F(SQ, FT):	VIND PRESSUI	TION: ::: :: :: :: :: :: :: :: :: :: :: ::

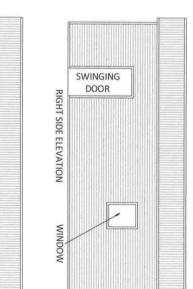




FRONT ELEVATION

SWINGING





Stress S11 Max/Min Diagram (0.6D+0.6Wx)

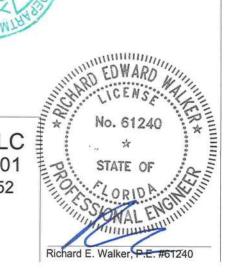
CONTRACTOR: TUBULAR BUILDING SYSTEMS P.O. BOX. 2254 LAKE CITY, FL 32056 TCP NTS PROJECT ADDRESS: I AVE CITY EL SONSE

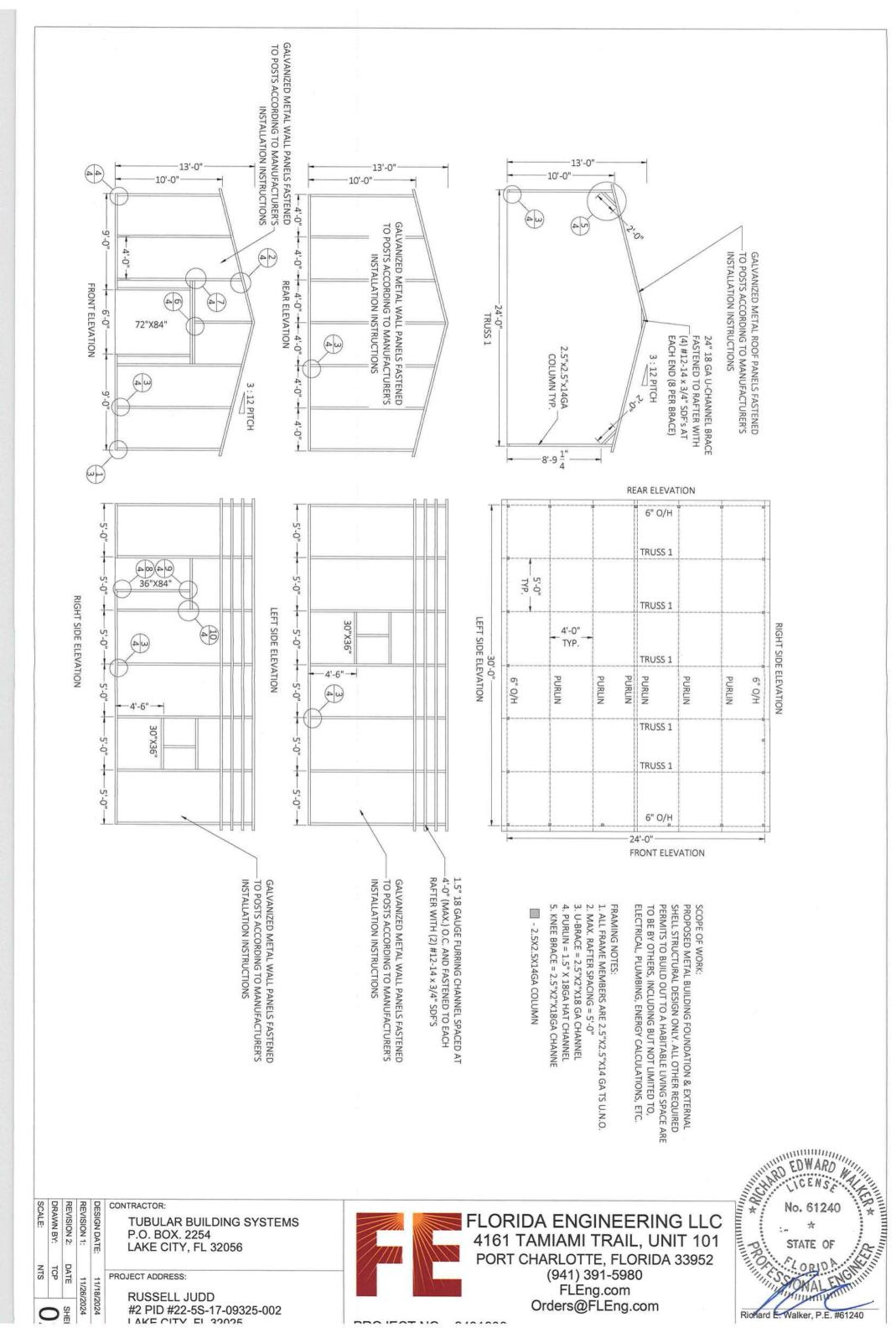
RUSSELL JUDD #2 PID #22-5S-17-09325-002



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GENERAL NOTES

- 2. CONCRETE MONOLITHIC SLAB DESIGN IS BASED ON A MINIMUM SOIL STRENGTH OF 3000 PSI AT 28 DAYS. CONCRETE SHALL HAVE A MINIMUM SPECIFIED COMPRESSIVE
- BEARING CAPACITY OF 2500 PSF. 3. ALL OPEN AREAS OF CONCRETE OUTSIDE OF THE PROPOSED
- STRUCTURE SHALL BE DESIGNED TO SLOPE AWAY FROM THE
- REGULATORY AGENCY, THE FOLLOWING SPECIFICATIONS ARE 4. WHERE CONCRETE SPECIFICATIONS ARE REQUIRED, BY ONE OR MORE
- a. CONCRETE SHALL CONFORM TO ASTM C94 FOR THE FOLLOWING COMPONENTS:
- iv. WATER REDUCING AGENT ASTM C 494 iii. AIR ENTRAINING +/- 1 % - ASTM C 260 ii AGGREGATES - LARGE AGGREGATE 3/4 MAX. - ASTM C 33

i. PORTLAND CEMENT TYPE 1 - ASTM C 150

- v. CLEAN POTABLE WATER
- VI. OTHER ADMIXTURES NOT PERMITTED
- b. CONCRETE SLUMP AT DISCHARGE CHUTE NOT LESS THAN 3" OR
- MORE THAN 5". WATER ADDED AFTER BATCHING IS NOT PERMITTED. c. PREPARE & PLACE CONCRETE PER AMERICAN CONCRETE INSTITUTE MANUAL OF STANDARD PRACTICE, PART 1, 2, & 3 INCLUDING HOT d. MOIST CURE OR POLYETHYLENE CURING PERMITTED. WEATHER RECOMMENDATIONS.
- CATEGORY II, III, & IV STRUCTURES ONLY). VAPOR BARRIER (SLAB ONLY). f. CONCRETE SLAB SHALL BE PLACED OVER A MIN. 6 MIL POLYETHYLENE FOR TERMITES IN COMPLIANCE WITH THE BUILDING CODE (FOR RISK

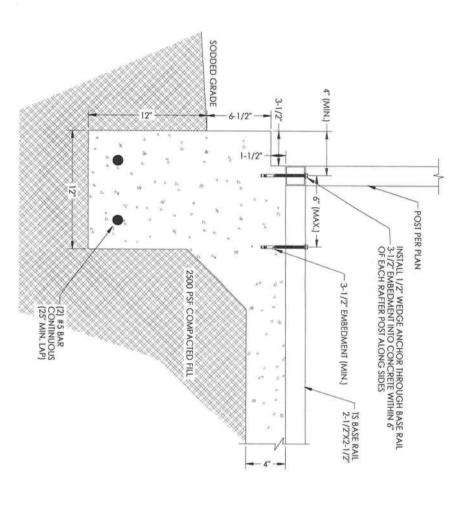
PRIOR TO PLACING CONCRETE, TREAT THE ENTIRE SUBSURFACE AREA

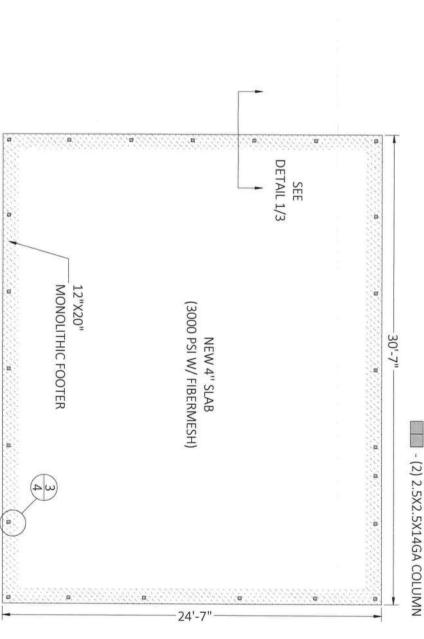
FOR 4" THICK OR 6" THICK CONCRETE SLAB RESPECTIVELY. 5. CONTROL JOINTS SHALL BE PROVIDED AT EVERY 12' O.C. OR 18' O.C.

REINFORCING STEEL:

- REINFORCEMENT SHALL BE WELDED WIRE FABRIC MEETING ASTM A185 OR FIBERGLASS FIBER REINFORCEMENT 1. THE REINFORCING STEEL SHALL BE ASTM A615 GRADE 60. THE SLAB
- a. IT IS BENT COLD; 2. REINFORCEMENT MAY BE BENT IN THE FIELD OR SHOP AS LONG AS:
- C. THE DIAMETER OF THE BEND, MEASURED ON THE INSIDE OF THE BAR FIELD BENT; **b. REINFRCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE**
- IS NOT LESS THAN SIX-BAR DIAMETERS.
- OTHERWISE 1-1/2 INCHES. THE EARTH OR UNPROTECTED FROM THE EARTH OR WEATHER, 3. FOR FOUNDATIONS, MINIMUM CONCRETE COVER OVER CONCRETE IS POURED AGAINST AND TEMPORARY IN CONTACT WITH REINFORCING BARS SHALL BE PER ACI-318: 3 INCHES WHERE THE

OFFICIAL REGARDING REQUIRED FOOTING DEPTH BASED ON FROST LINE OPTION, COORDINATE WITH LOCAL BUILDING CODE AND/OR BUILDING FOAM INSULATION (EPS OR EQUIVALENT). FOR NO FROST PROTECTION 1. FOUNDATION SHALL BE PROTECTED AGAINST FROST USING RIGID





- 2.5X2.5X14GA COLUMN

12"X20" MONO, FOOTER BASE RAIL ANCHORAGE SCALE: NTS

REVISION 1: REVISION 2: CONTRACTOR: DRAWN BY: DESIGN DATE: TUBULAR BUILDING SYSTEMS P.O. BOX. 2254 LAKE CITY, FL 32056 DATE TCP

RUSSELL JUDD

LAKE CITY. FL 32025

#2 PID #22-5S-17-09325-002

PROJECT ADDRESS:

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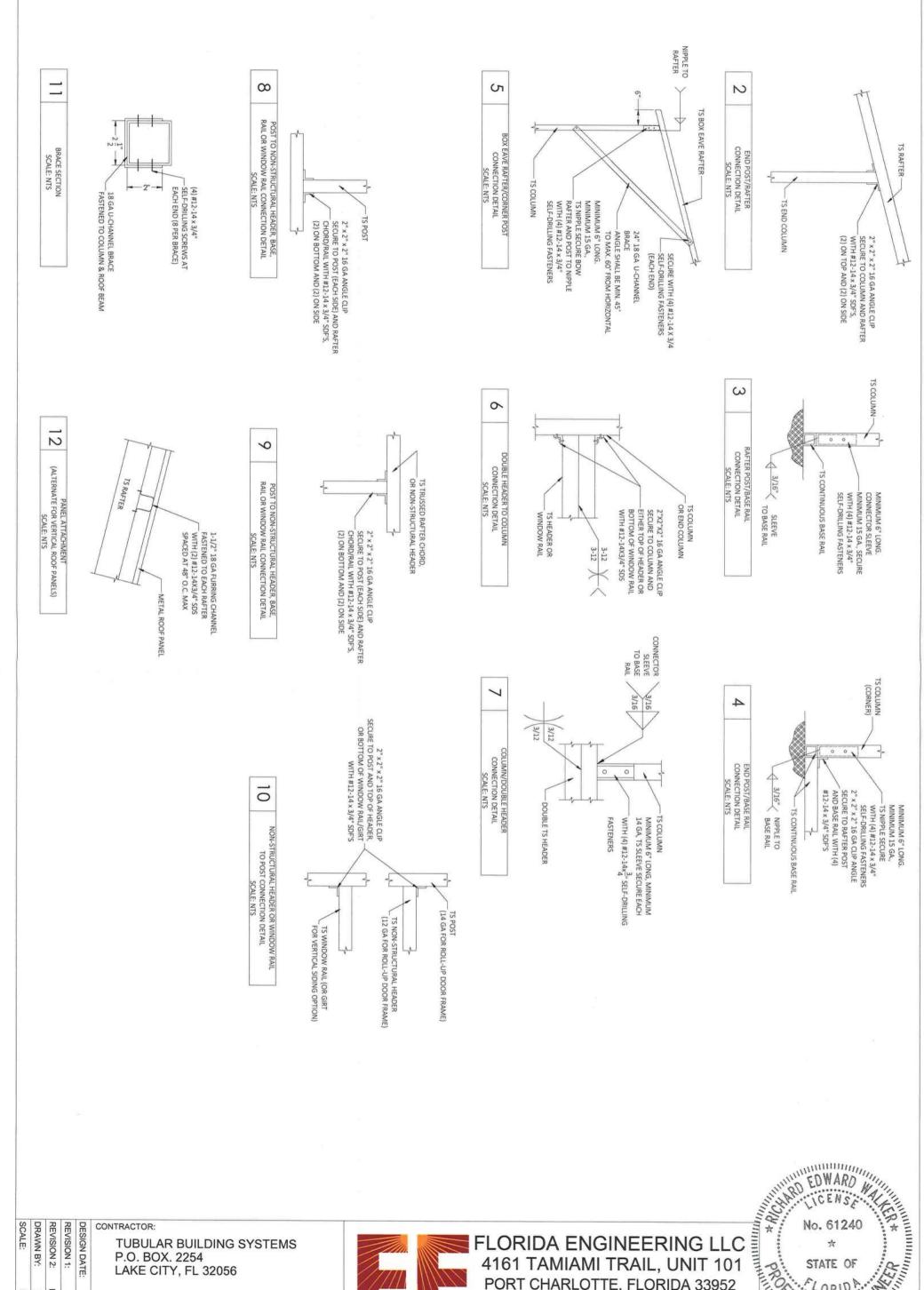
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C No. 61240



REVISION 1: REVISION 2: DESIGN DATE TCP

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PROJECT ADDRESS:

RUSSELL JUDD #2 PID #22-5S-17-09325-002 LAKE CITY FL 32025



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